UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

MLRA REGION 11
Indianapolis, Indiana 46278

FIRST AMENDMENT TO THE AUGUST 1983 CLASSIFICATION AND CORRELATION OF THE SOILS OF PIKE COUNTY, INDIANA

SEPTEMBER 2006

This amendment results from digitizing the Pike County Soil Survey, the update of the NASIS database, and conforming to the Keys to Soil Taxonomy, 9th Edition, 1998.

AMENDMENT NO. 1

Pages 4 & 5 – Additions:
Map Unit Symbol and Name: Omz – Orthents, earthen dam
This map unit is added for earthen dams more than 1.43 acres in size. These areas were labeled as large dams in the 1987 published soil survey.

Map Unit Symbol and Name: Ud – Udorthents, cut and filled
This map unit is added for disturbed areas, mostly adjacent to power plants and other industrial or commercial sites.

Map Unit Symbol and Name: W - Water
This map unit is added for water areas more than 1.43 acres in size. This map unit includes areas formerly referred to as both census (>40 acres) and noncensus water (<40 acres).

Pages 4 & 5 – Changes:
For Map Unit Symbol *Ln,* change the approved map unit name:
From – Linside silt loam, frequently flooded
To – Lindside silt loam, frequently flooded

For Map Unit Symbol V*n,* change the approved map unit name:
From – Vincennes Variant clay loam, occasionally flooded
To – Vincennes clay loam, occasionally flooded

Page 9 – Replace the 37A dated 8/12/82, with the attached Indiana Official 37A for Compilation, Digitizing, and DMF, Revised June 30 2004.

Indiana Official 37A For
Compilation, Digitizing, and DMF
Revised June 30, 2004

Soil Survey Area: PIKE COUNTY

State: Indiana

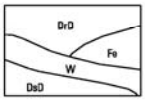
FEATURE AND SYMBOL LEGEND FOR SOIL SURVEY

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

Date: SEPTEMBER 2006

SOIL SURVEY FEATURES

SOIL DELINEATIONS AND LABELS



STANDARD LANDFORM AND MISCELLANEOUS SURFACE FEATURES

- Bedrock escarpment
- Nonbedrock escarpment
- Gully
- Levee
- Short steep slope
- Blowout
- Borrow pit
- Clay spot
- Closed depression
- Gravel pit
- Gravelly spot
- Landfill
- Marsh or swamp
- Mine or quarry
- Rock outcrop
- Sandy spot
- Severely eroded spot
- Sinkhole
- Slide or slip
- Spoil area
- Stony spot
- Very stony spot
- Wet spot

AD HOG FEATURES (Describe on back)

LABEL	SYMBOL ID	SYMBOL	LABEL	SYMBOL ID	SYMBOL
DCS	1		CRO	23	
DKS	2		MTA	24	
OVW	3		CGM	25	
VMS	4		HIL	26	
EAS	5			27	
MAS	6		SID	28	
SAS	7			29	
CAF	8		MUC	30	
CAL	9			31	
SLR	10			32	
DUM	11			33	
BRV	12			34	
BRM	13		MRL	35	
BRO	14			36	
OBR	15			37	
SSR	16		SAM	38	
LBR	17			39	
WDP	18		VSE	40	
SBR	19			41	
COB	20			42	
CNS	21			43	
FES	22		DMT	44	

CULTURAL FEATURES (Optional)

BOUNDARIES

- National, state or province
- County or parish
- Minor civil division
- Reservation (Military)
- Land grant (Optional)
- Field sheet matchline and neatline
- Public Land Survey System Section Corner Tics

GEOGRAPHIC COORDINATE TICK

ROAD EMBLEMS

- Interstate
- Federal
- State

LOCATED OBJECTS

- Airport (Label only) — Davis Airport or Airstrip

HYDROGRAPHIC FEATURES (Optional)

- Drainage end (indicates direction of flow)
- Unclassified stream

Only the following standard soil survey features will be shown on the legend and placed on the digitized soil maps:

Feature	Name	Description
SLP	Short, steep slope	Narrow soil area that has slopes that are at least two slope classes steeper than the slope class of the surrounding map unit.

Only the following ad hoc features will be shown on the legend and placed on the digitized soil maps:

Label	**Symbol ID**	**Name**	**Description**
DUM	11	Dumps	An area of smoothed or uneven accumulations or piles of waste rock and general refuse or other non-soil material that supports little or no vegetation. Typically 0.2 to 2 acres.
UWT	44	Unclassified water	Small, natural or man-made lake, pond, or pit that contains water, of an unspecified nature, most of the year. Typically 0.2 to 2 acres.

Pages 16 &17 – Notes to Accompany Classification and Correlation of the Soils of Pike County, Indiana:

Alford Series
In the 1983 correlation Alford soils were considered to be taxadjuncts due to low base saturation. However, since then the Alford Series has been reclassified from Typic Hapludalfs to Ultic Hapludalfs, thus these soils in Pike County are no longer considered to be taxadjuncts.

Bethesda Series
In the 1983 correlation Bethesda soils were classified as loamy-skeletal, but due to the fact that many of the rock fragments are now considered to be pararock fragments these soils now classify as fine-loamy. Thus, these soils are now longer considered to be taxadjuncts. In addition, these soils in map unit FbG have fragments of diagnostic horizons and classify as Udarents. These soils will need to be investigated in future maintenance of this survey.

Fairpoint Series
In the 1983 correlation Fairpoint soils were classified as loamy-skeletal, but due to the fact that many of the rock fragments are now considered to be pararock fragments these soils now classify as fine-loamy. Thus, these soils are now longer considered to be taxadjuncts. In addition, these soils in map unit FbG have fragments of diagnostic horizons and classify as Udarents. These soils will need to be investigated in future maintenance of this survey.

Markland Series
These soils in Pike County have a water table above a depth of 40 inches and classify as Oxyaquic Hapludalfs, thus are considered to be taxadjuncts.

Muren Series
Lab data for base saturation at the critical depth was 56 percent for these soils in Pike County and in 1983 these soils in were considered to be taxadjuncts. Based on other data in the MLRA and the fact that lab data in Pike County was quite close to the break, these soils are no longer considered to be taxadjuncts. These soils will need to be investigated in future maintenance of this survey.

Pekin Series
In the 1983 correlation Pekin soils were classified as Aquic Fragiudalfs and lab data from Pike County supports this classification. However, since then the Pekin Series has been reclassified from Aquic Fragiudalfs to Aquic Fragiudults, thus these soils in Pike County are now considered to be taxadjuncts.

Reesville Series
In the 1983 correlation Reesville soils were classified as Aeric Ochraqualfs (Endoaqualfs) and the profile description from Pike County supports this classification. However, since then the Reesville Series has been reclassified from Aeric Endoaqualfs to Aquic Hapludalfs, thus these soils in Pike County are now considered to be taxadjuncts. These soils in Pike County also dominantly formed in more than 60 inches of loess. These soils will need to be investigated in future maintenance of this survey.

Vincennes Variant
In the 1983 correlation Vincennes soils were considered to be variants due to being subject to flooding and having an irregular decrease in organic carbon. With this amendment, these soils are changed from variants to taxadjuncts. These soils will need to be investigated in future maintenance of this survey.

Pages 19-20 – Replace the Classification of the Soils table with the following:

Pike County, Indiana Taxonomic Classification of the Soils
(An asterisk in the first column indicates a taxadjunct to the series. See text for a description of those characteristics that are outside the range of the series.)

Soil name	Family or higher taxonomic class
Alford	Fine-silty, mixed, superactive, mesic Ultic Hapludalfs
Alvin	Coarse-loamy, mixed, superactive, mesic Typic Hapludalfs
Armiesburg	Fine-silty, mixed, superactive, mesic Fluventic Hapludolls
Ayrshire	Fine-loamy, mixed, active, mesic Aeric Endoaqualfs
*Bartle	Fine-silty, mixed, active, mesic Aeric Fragic Epiaqualfs
Beaucoup	Fine-silty, mixed, superactive, mesic Fluvaquentic Endoaquolls
Belknap	Coarse-silty, mixed, active, acid, mesic Fluvaquentic Endoaquepts
Berks	Loamy-skeletal, mixed, active, mesic Typic Dystrudepts
*Bethesda	Fine-loamy, mixed, active, acid, mesic Alfic Udarents
*Bethesda	Fine-loamy, mixed, active, acid, mesic Typic Udorthents
Birds	Fine-silty, mixed, superactive, nonacid, mesic Typic Fluvaquents
Bloomfield	Sandy, mixed, mesic Lamellic Hapludalfs
Bonnie	Fine-silty, mixed, active, acid, mesic Typic Fluvaquents

Pike County, Indiana Taxonomic Classification of the Soils - continued

Soil name	Family or higher taxonomic class
Chetwynd	Fine-loamy, mixed, semiactive, mesic Typic Hapludults
Dubois	Fine-silty, mixed, active, mesic Aeric Fragiaqualfs
Elkinsville	Fine-silty, mixed, active, mesic Ultic Hapludalfs
*Fairpoint	Fine-loamy, mixed, active, nonacid, mesic Alfic Udarents
*Fairpoint	Fine-loamy, mixed, active, nonacid, mesic Typic Udorthents
Gilpin	Fine-loamy, mixed, active, mesic Typic Hapludults
Haubstadt	Fine-silty, mixed, active, mesic Aquic Fragiudalfs
Haymond	Coarse-silty, mixed, superactive, mesic Dystric Fluventic Eutrudepts
Henshaw	Fine-silty, mixed, active, mesic Aquic Hapludalfs
*Hickory	Fine-silty, mixed, active, mesic Typic Hapludalfs
Hosmer	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs
Huntsville	Fine-silty, mixed, superactive, mesic Cumulic Hapludolls
Iona	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Iva	Fine-silty, mixed, superactive, mesic Aeric Endoaqualfs
Lindside	Fine-silty, mixed, active, mesic Fluvaquentic Eutrudepts
*Markland	Fine, mixed, active, mesic Oxyaquic Hapludalfs
McGary	Fine, mixed, active, mesic Aeric Epiaqualfs
Montgomery	Fine, mixed, active, mesic Vertic Endoaquolls
Muren	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs
Nolin	Fine-silty, mixed, active, mesic Dystric Fluventic Eutrudepts
Orthents	Orthents
Otwell	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs
*Pekin	Fine-silty, mixed, active, mesic Aquic Fragiudalfs
Peoga	Fine-silty, mixed, superactive, mesic Fragic Epiaqualfs
Petrolia	Fine-silty, mixed, superactive, nonacid, mesic Fluvaquentic Endoaquepts
Pike	Fine-silty, mixed, active, mesic Ultic Hapludalfs
*Princeton	Fine-loamy, mixed, active, mesic Ultic Hapludalfs
*Reesville	Fine-silty, mixed, superactive, mesic Aeric Endoaqualfs
Steff	Fine-silty, mixed, active, mesic Fluvaquentic Dystrudepts
Stendal	Fine-silty, mixed, active, acid, mesic Fluventic Endoaquepts
*Stonelick	Coarse-loamy, mixed, superactive, mesic Fluventic Eutrudepts
Sylvan	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Udorthents	Udorthents
*Vincennes	Fine-loamy, mixed, active, nonacid, mesic Fluvaquentic Endoaquepts
Wakeland	Coarse-silty, mixed, superactive, nonacid, mesic Aeric Fluvaquents
*Wellston	Fine-silty, mixed, active, mesic Typic Hapludults
Wilhite	Fine, mixed, active, nonacid, mesic Fluvaquentic Endoaquepts
Zanesville	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs

*Bethesda taxadjunct (Typic Udorthents) is for map unit FbC
* Bethesda taxadjunct (Alfic Udarents) is for map unit FbG
*Fairpoint taxadjunct (Typic Udorthents) is for map units FaB and FbC
*Fairpoint taxadjunct (Alfic Udarents) is for map unit FbG

PIKE COUNTY, INDIANA AMENDMENT NO. 1

Approval Signatures

_____	_____	_____	_____
TRAVIS NEELY	Date	JANE E. HARDISTY	Date
State Soil Scientist/MLRA Leader		State Conservationist	
Indianapolis, Indiana		Indianapolis, Indiana	